

Please add new claims 74-89 as follows.

74. (NEW) A graphical user interface for use on a computer system, the graphical user interface comprising:

- Sub B1*
- a graphic object identifying a display element, said graphic object being user selectable, said display element including a first view, said first view including at least one elementary view, each display element having one or more attributes, each attribute having an attribute value, each elementary view capable of determining a display element from a represented object of said display element;
 - a view determiner, responsive to user selection of said graphic object, to determine said first view for said display element; and
 - a value ascertainment to ascertain at least one display element attribute value for said display element based upon said first view.

75. (NEW) The interface of claim 74 wherein said view determiner is further configured to indicate said first view is the view defined for said display element when a view is defined for said display element; and indicate said first view is the view defined for a parent of said display element when a view is not defined for said display element.

76. (NEW) The interface of claim 74 wherein said view ascertainment is further configured to ascertain an attribute value for said display element using an elementary view when said first view is an elementary view; and

ascertain an attribute value for said display element using a composite view when said first view is a composite view.

77. (NEW) The interface of claim 74 wherein said view ascertainment is further configured to receive a request for a display element attribute value using an elementary view; return an indication that no values are defined when said elementary view is incompatible with said represented object; return an indication that no values are defined when said attribute value is undefined for said represented object; and return at least one attribute value when at least one value for said attribute is defined for said represented object.

78. (NEW) The interface of claim 77 wherein said view ascertainment is further configured to return an attribute value when said attribute is single-valued.

79. (NEW) The interface of claim 77 wherein said view ascertainment is further configured to return a plurality of attribute values when said attribute is multi-valued.

80. (NEW) The interface of claim 76 wherein said value ascertainment is further configured to receive a request for a display element attribute value using a composite view; search each view contained by said composite view for a value for said attribute and return said value when said attribute is single-valued; collect all values for said attribute for each view contained by said composite view when said attribute is multi-valued;

merge said values; and
return said merged values.

81. (NEW) The interface of claim 74, further comprising a view changer to change said first view for at least one display element to a second view.

82. (NEW) The interface of claim 81 wherein said view changer is further configured to add an elementary view to said view.

83. (NEW) The interface of claim 81 wherein said view changer is further configured to remove an elementary view from said view.

84. (NEW) The interface of claim 76 wherein
said first view comprises at least one containment relationship between the represented object associated with said display element and the represented objects associated with said at least one other display element; and
said second view comprises at least one inheritance relationship between the represented object associated with said display element and the represented objects associated with said at least one other display element.

85. (NEW) The interface of claim 74 wherein said display interface is further configured to display said represented object values for said composite view in a tree structure.

86. (NEW) The interface of claim 74 wherein
said represented object comprises a program unit; and